



OPERATING PERMIT (Conditional Major) Issued Pursuant to Tennessee Air Quality Act

Date Issued: May 29, 2015

Permit Number:
470297

Date Expires: December 1, 2024

Issued To:
Rogers Group, Inc.
McMinnville Asphalt Plant

Installation Address:
163 Stone Man Road
McMinnville

Installation Description:
Source 01: Drum Mix Asphalt
Plant With Baghouse Control

Emission Source Reference No.
89-0178
NSPS (40 CFR 60, subpart I)
Conditional Major

The holder of this permit shall comply with the conditions contained in this permit as well as all applicable provisions of the Tennessee Air Pollution Control Regulations (TAPCR).

CONDITIONS:

1. The application that was utilized in the preparation of this permit is dated May 5, 2015, and is signed by Van Medlock, Director of Environmental Services for the permitted facility. If this person terminates employment or is reassigned different duties and is no longer the responsible person to represent and bind the facility in environmental permitting affairs, the owner or operator of this air contaminant source shall notify the Technical Secretary of the change. Said notification shall be in writing and submitted within thirty (30) days of the change. The notification shall include the name and title of the new person assigned by the source owner or operator to represent and bind the facility in environmental permitting affairs. All representations, agreement to terms and conditions and covenants made by the former responsible person that were used in the establishment of limiting permit conditions on this permit will continue to be binding on the facility until such time that a revision to this permit is obtained that would change said representations, agreements and covenants.
TAPCR 1200-03-09-.02(2)

(conditions continued on next page)


TECHNICAL SECRETARY

No Authority is Granted by this Permit to Operate, Construct, or Maintain any Installation in Violation of any Law, Statute, Code, Ordinance, Rule, or Regulation of the State of Tennessee or any of its Political Subdivisions.

NON-TRANSFERABLE

POST AT INSTALLATION ADDRESS

SECTION I: The following conditions shall apply to all sections of this permit unless otherwise noted. Conditions 2–16.

2. The permittee has elected to opt-out of being issued a major source operating permit pursuant to Rule 1200-03-09-.02(11)(a) of the Tennessee Air Pollution Control Regulations (TAPCR). The permittee would be considered a major source because their “potential to emit” for carbon monoxide was greater than 100 tons per year at the time of application. The permittee has agreed to be subject to limitations in order to be below the major source applicability threshold for carbon monoxide of 100 tons per year.
3. Any non-compliance with any condition(s) of this permit set to restrain the “potential to emit” below the applicability thresholds of 1200-03-09-.02(11) of the Tennessee Air Pollution Control Regulations shall be reported in writing to the Technical Secretary within fifteen (15) working days of such discovery. This notification, at a minimum, shall include the identification of the source, identification of the permit condition(s) violated, and details of the violation.
4. The permittee is placed on notice that **Conditions 17 and 18** of this permit contain limitations that allow the permittee to opt-out of the major source operating permit program requirements specified in Division Rule 1200-03-09-.02(11). Failure to abide by these limits will not only subject the permittee to enforcement action by the State of Tennessee, but it may also result in the imposition of Federal enforcement action by the United States Environmental Protection Agency and the loss of being federally recognized as a conditional major source.
5. Compliance with **Conditions 17 and 18** assures that this facility will be below the major source applicability threshold for carbon monoxide of 100 tons per year.

This assurance is based on AP-42 Chapter 11, Section 1 (Hot Mix Asphalt Plants, dated December, 2000) from which the emission factors were used to calculate emissions as shown below:

Parameter	Based on use of No. 2 fuel oil, waste oil, propane, and natural gas as fuel; Drum Mix Plant			
	AP-42 Table	Emission Factor, lb/ton	Emissions without limiting conditions, ton/yr	Emissions with limiting conditions, ton/yr
CO	11.1-7	0.13	170.8	19.5

6. A written report stating the compliance status of this facility with **Conditions 17 and 18** shall be submitted by March 31 of every year. This report shall include the records required by **Condition 25**. This report shall cover the preceding calendar year and shall be submitted to the Environmental Field Office at the following address:

Air Pollution Control Field Office Manager
 Cookeville Environmental Field Office
 1221 South Willow Avenue
 Cookeville, TN 38506

Or by email to: APC.CookeFO@tn.gov

7. Should proof of compliance for the pollutant(s) with emission limitations placed on this permit be required, the emissions measuring test method(s) and procedure(s) are the following:

Pollutant or Parameter	Testing Methodology
Sulfur Dioxide	EPA Method 6 as published in the current 40 CFR 60, Appendix A
Particulate Matter	EPA Method 5 as published in the current 40 CFR 60, Appendix A
Carbon Monoxide	EPA Method 10 as published in the current 40 CFR 60, Appendix A
Nitrogen Oxides	EPA Method 7 as published in the current 40 CFR 60, Appendix A
Volatile Organic Compounds	EPA Method 25A as published in the current 40 CFR 60, Appendix A

8. Visible emissions from roads and parking areas shall not exhibit greater than ten percent (10%) opacity utilizing Tennessee Visible Emissions Evaluation (TVEE) Method 1.

TAPCR 1200-03-08-.01(1)

9. Fugitive emissions from this facility shall be controlled as specified in Rule 1200-03-08-.01. Specifically, no person shall cause, suffer, allow, or permit fugitive dust to be emitted in such manner to exceed five (5) minutes per hour or twenty (20) minutes per day as to produce a visible emission beyond the property line of the property on which the emission originates, excluding malfunction of equipment as provided in Chapter 1200-03-20. Fugitive emissions from this facility shall be determined by Tennessee Visible Emissions Evaluation Method 4.

TAPCR 1200-03-08-.01(2)

10. Visible emissions from this facility not covered by **Conditions 8 and 9** shall not exhibit greater than twenty percent (20%) opacity, except for one (1) six-minute period in any one (1) hour period and for no more than four (4) six-minute periods in any twenty-four (24) hour period. Visible emissions from this source shall be determined by EPA Method 9, as published in the current 40 CFR 60, Appendix A (six-minute average).

TAPCR 1200-03-05-.03(6) and TAPCR 1200-03-05-.01(1)

11. Routine maintenance, as required to maintain specified emission limits, shall be performed on the air pollution control devices. Maintenance records shall be recorded in a suitable permanent form and kept available for inspection by the Division. These records must be retained for a period of not less than five (5) years.

TAPCR 1200-03-20-.02(1)

12. The source(s) controlled by the air pollution control device(s) shall not operate unless the control device(s) is in operation. In the event a malfunction/failure of a control device(s) occurs, the operation of the process(es) controlled by the control device(s) shall be regulated by the provisions of Chapter 1200-03-20 of the Tennessee Air Pollution Control Regulations.

13. The issuance of this permit supersedes any previously issued permit(s) for this air contaminant source.

TAPCR 1200-03-09-.02(6)

14. This permit is valid only at this location.

TAPCR 1200-03-09-.03(6)

14. This source shall comply with all applicable state and federal air pollution regulations. This includes, but is not limited to, federal regulations published under 40 CFR 63 for sources of hazardous air pollutants and 40 CFR 60, New Source Performance Standards.

TAPCR 1200-03-09-.03(8)

15. This source shall operate in accordance with the terms of this permit and the information submitted in the approved permit application.

TAPCR 1200-03-09-.01(1)(d)

16. The permittee shall apply for renewal of this permit not less than sixty (60) days prior to the permit expiration date. The renewal application shall be delivered to the East Tennessee Permit Program at the address listed below or via e-mail.

East Tennessee Permit Program
Division of Air Pollution Control
William R. Snodgrass Tennessee Tower
312 Rosa L. Parks Avenue, 15TH Floor
Nashville, TN 37243

or

Adobe Portable Document Format (PDF)
Copy to: Air.Pollution.Control@tn.gov

TAPCR 1200-03-09-.02(3)(a)

SECTION II: SOURCE SPECIFIC CONDITIONS

89-0178-01: 300 ton/hr Drum Mix Asphalt Plant with Baghouse Control. NSPS. Conditions **17-25** apply to Source 89-0178-01.

17. Only No. 2 fuel oil, waste oil, propane, and natural gas shall be used as fuel(s) for this facility. TAPCR 1200-03-09-.01(1)(d)
18. Production rate for this source shall not exceed 300 tons per hour on a monthly average basis and 300,000 tons during all intervals of twelve (12) consecutive months. This limitation is established pursuant to the agreement letter dated July 15, 2013. Compliance with this requirement shall be indicated by the records required by **Condition 25**. TAPCR 1200-03-09-.01(1)(d)
19. Particulate Matter (TSP) emitted from this source shall not exceed 0.04 grains per dry standard cubic foot of stack gases (10.5 pounds per hour).
40 CFR §60.92(a)(1).
20. Carbon Monoxide (CO) emitted from this source shall not exceed 39.0 pounds per hour.
TAPCR 1200-03-07-.07(2)
21. Sulfur Dioxide (SO₂) emitted from this source shall not exceed 17.4 pounds per hour.
TAPCR 1200-03-14-.03(5)
22. Nitrogen Oxides (NO_x) emitted from this source shall not exceed 16.5 pounds per hour.
TAPCR 1200-03-07-.07(2)
23. Volatile Organic Compounds (VOC) emitted from this source shall not exceed 9.6 pounds per hour.
TAPCR 1200-03-07-.07(2)
24. Compliance with the emission limits in **Conditions 19, 20, 21, 22, and 23** is based on compliance with **Conditions 17 and 18** of this permit and AP-42, Chapter 11, Section 1, emission factors.

25. The permittee shall maintain a record of the type of fuel used (No. 2 fuel oil, waste oil, propane, natural gas), operating hours, and asphalt production at this source, in a form that readily provides the information required in the following tables. All yearly data, including all required calculations, must be entered in the log(s) no later than thirty (30) days from the end of the year for which the data is required. All monthly data, including all required calculations, must be entered in the log(s) no later than thirty (30) days from the end of the month for which the data is required. All daily data, including all required calculations, must be entered in the log(s) no later than seven (7) days from the end of the day for which the data is required. The permittee shall retain this record at the source location for a period of not less than five (5) years and keep this record available for inspection by the Technical Secretary or their representative.

MONTHLY LOG: Source 89-0178-01

Month: _____ Year: _____							
Date	Type of Fuel Used	Hours of Operation	Production (tons)	Date	Type of Fuel Used	Hours of Operation	Production (tons)
1				17			
2				18			
3				19			
4				20			
5				21			
6				22			
7				23			
8				24			
9				25			
10				26			
11				27			
12				28			
13				29			
14				30			
15				31			
16							
				Total			

YEARLY LOG: Source 89-0178-01

Year: _____				
Month	Production (tons)	Hours of Operation	Monthly Average Production Rate (ton/hr)	Production (tons/12 consecutive months)
January				
February				
March				
April				
May				
June				
July				
August				
September				
October				
November				
December				

The Tons per 12 consecutive month value is the sum of the Production (in tons) in the 11 months preceding the month just completed + the Production (in tons) in the month just completed.

TAPCR 1200-03-10-.02(2)(a)

The permit application gives the location of this source as 35°38'37" North, Latitude and 85°40'50" West, Longitude.